

Table 3-3. Residue Loading Factors for Crops Burned in the Western States

Fuel Type	States Where Crops are Burned¹	Residue Loading (tons/acre)²	Comments/Sources of Residue Loading
Grains and Hay			
Barley	CA, ID, OR, SD, UT, WA, WY	1.7	
Corn, Grain	AZ, CA, OR, WA	4.2	
Hay, Alfalfa	CA, WA	0.8	
Hay, All Other	CA, WA	0.8	
Hops	WA	1.9	Wheat RL
Oats	CA, OR, WA	1.6	
Rice	CA	3.0	
Rye	CA	1.9	Wheat RL
Sorghum	CA	2.9	
Wheat	AZ, CA, ID, MT, ND, OR, SD, UT, WA	1.9	
Wheat (spring, irrigated)	CO	4.0	Sharkoff, 2002 (CO only)
Wheat	NM	1.5	Shaver, 2002 (NM only)
Orchard			
Almond	CA	1.0	
Apple	AZ, WA	2.3	
Apple	CA	0.8-1.0	Beyer, 2002 ³ (CA only)
Apricot	CA	1.8	
Avocado	CA	1.5	
Cherry	CA, WA	1.0	
Citrus	AZ, CA	1.0	
Date	CA	1.7	Orchard Pruning, Unspecified RL
Fig	CA	1.7	Orchard Pruning, Unspecified RL
Grape	CA, WA	2.5	
Kiwi	CA	1.7	Orchard Pruning, Unspecified RL
Nectarine	CA	1.7	Orchard Pruning, Unspecified RL
Olive	CA	1.7	Orchard Pruning, Unspecified RL
Peach	CA, WA	2.5	
Pear	CA, WA	2.6	
Pecan	AZ, CA	1.7	Orchard Pruning, Unspecified RL
Persimmon	CA	1.7	Orchard Pruning, Unspecified RL
Pistachio	AZ, CA	1.7	Orchard Pruning, Unspecified RL
Plum and Prune	CA, WA	1.2	
Pomegranate	CA	1.7	Orchard Pruning, Unspecified RL
Quince	CA	1.7	Orchard Pruning, Unspecified RL
Walnut	CA	1.2	
Orchard Pruning, Unspec.	AZ, CA, WA	1.7	
Orchard Removal, Unspec.	CA, UT, WA	15.0	Jenkins, 2001
Grasses and Seeds			
Seeds, Alfalfa	ID, WA, WY	0.8	IDEQ, 2001
Seeds, KBG	ID, WA	2.0	IDEQ, 2001
Seeds, Other, Unspec.	AZ, CA, WA, WY	2.0	Assume same as KBG
Bermuda	AZ, CA	2.0	Assume same as KBG

Table 3-3. Continued

Fuel Type	States Where Crops are Burned¹	Residue Loading (tons/acre)²	Comments/Sources of Residue Loading
Grasses, Unspec.	CA, OR	2.0	Assume same as KBG
Fruits and Vegetables			
Asparagus	CA, WA	1.5	
Beans, Dry Edible	CA, WA	2.5	
Berries	CA, WA	1.7	
Canola	WA	1.3	Safflower RL
Mint	ID	0.5	IDEQ, 2001
Other fruits and vegetables	CA, WA	1.5	Jenkins and Sumner, 1986 (average of all vegetables)
Peanuts	CA	1.2	Potatoes RL
Peas, Dry Edible	CA, WA	2.5	
Pineapple	HI		Undetermined
Safflower	CA	1.3	
Sugarcane	HI	14.0	Midpoint of AP-42 RLs
Vegetables, Unspec.	CA	1.5	Jenkins and Sumner, 1986 (average of all vegetables)
Other Agricultural Related Fuels			
CRP	WA	2.6	Midpoint of AP-42 RL for grasslands
Ditches, fence line	AZ	1.6	Gabrielson, 2002 (AZ only)
Ditches, fence line	CA, ID, WY	3.2	Weeds, Unspecified RL
Ditches, fence line	UT	0.75	Goodrich, 2002 (UT only)

CRP = Conservation Reserve Program
 KBG = Kentucky bluegrass
 RL = Residue loading
 Unspec. = Unspecified

Sources:

¹ Table 3-1 summarized for sources of information relating to burning of specific crop residues in states.

² AP-42 (USEPA, 1995) except where otherwise noted.

³ This RL was not obtained in time to be included in the calculation of residues burned for CA as reported in the final database.